

Name: _____ P: _____

Some Useful Things

$$v_{av} = \frac{\Delta d}{\Delta t}$$

$$a_{av} = \frac{\Delta v}{\Delta t}$$

$$\Delta \vec{d} = \vec{d}_2 - \vec{d}_1$$

$$\vec{v}_{av} = \frac{\Delta \vec{d}}{\Delta t}$$

$$\vec{v}_{av} = \frac{\vec{v}_1 + \vec{v}_2}{2}$$

$$\vec{a} = \frac{\vec{v}_2 - \vec{v}_1}{\Delta t}$$

$$\Delta \vec{d} = \left(\frac{\vec{v}_1 + \vec{v}_2}{2} \right) \Delta t$$

$$\vec{v}_2 = \vec{v}_1 + \vec{a} \Delta t$$

$$\Delta \vec{d} = \vec{v}_1 \Delta t + \frac{1}{2} \vec{a} \Delta t^2$$

$$\vec{F}_{NET} = \vec{F}_1 + \vec{F}_2 + \vec{F}_3 + \dots$$

You may add any formula to this sheet, but you may not explain it.